

Claims

1. Method for transmission of traffic streams (1,2,3) over a common transmission channel (7), of which the (1,2,3) data (A - E) comes into a buffer (4, 5, 6) connected upstream of the

5 transmission channel (7),

where, for the transmission of packets (A - E) of a particular traffic stream (1) over the transmission channel (7) a guaranteed bandwidth (B_{G1}) is defined, with is the minimum bandwidth used to transmit packets of this traffic stream over

10 the transmission channel,

where, for the transmission of packets (A - E) of a particular traffic stream (1) over the transmission channel (7) a maximum bandwidth (B_{1max}) is defined with which the packets (A - E) of this traffic stream (1) will be transmitted over the

15 transmission channel (7), where packets (D E) of a traffic

stream (1) which come into a buffer (4) with a transmission rate lying below the guaranteed bandwidth (B_{G1}) for this traffic stream (1) in the common transmission channel (7), are timed for transmission over the channel (7) before those packets (ABC) of

20 this traffic stream which come into the buffer (4) with a transmission rate lying above the guaranteed bandwidth (amber,

red),

where packets (ABC) of a traffic stream (1) which come into a buffer (4) with a transmission rate lying below the maximum

25 bandwidth (B_{1max}) for this traffic stream (1) in the transmission

channel (7) are times for transmission over the transmission

channel (7) before the packets (C) of the traffic stream (1)

which have arrived in the buffer (4) with a transmission rate

lying above the maximum bandwidth (B_{1max}) of the traffic channel

in the transmission channel (7) (red).

2. Method in accordance with Claim 1, characterized in that, if the transmission channel (7) is already occupied by a number of traffic streams, each with a guaranteed bandwidth, a further

5 traffic stream for transmission over the common transmission channel will only be allowed if the sum of the guaranteed bandwidths and the requested bandwidth of the new traffic stream is a maximum of equal to the product of a prespecified quality constant with which the overall traffic channel bandwidth

10 available to the transmission channel.

3. Method in accordance with one of the previous claims, characterized in that, the constant is equal to one

4. Method in accordance with one of the previous claims, characterized in that the constant is greater than one.

15 5. Method in accordance with one of the previous claims, characterized in that, the constant is less than one.

6. Method in accordance with one of the previous claims, characterized in that the traffic channel (1) is a mobile radio
20 channel for payload data.

7. Method in accordance with one of the previous claims, characterized in that the traffic channel passes through a GATEWAY, especially a UMTS GATEWAY.

8. Method in accordance with one of the previous claims,
25 characterized in that,

the timing priority of a packet (D) to be transmitted over the common transmission channel before other packets (ABC) is stored in the packet (D), especially in a header of the packet.

9. Method in accordance with one of the previous claims,

5 characterized in that more than 1000 traffic channels run over the transmission channel.

10. Device for executing the method in accordance with one of the previous claims.